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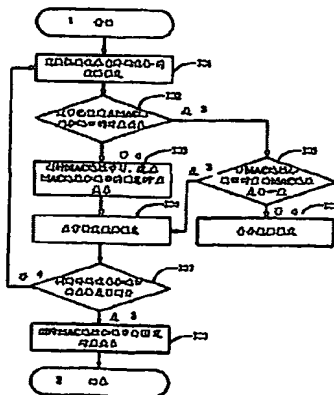
本国际公布:

— 包括国际检索报告。

所引用双字母代码和其它缩写符号, 均含刊登在每期 PCT公报第1页的“代码及缩写符号简要说明”。

(54) Title: A METHOD OF PREVENTING FROM ATTACKING THE ETHERNET

(54) 发明名称: 一种防止以太网攻击的方法



1 THE SWITCH RECEIVED THE PACKET DATA FROM THE TERMINAL DEVICE
200 WHETHER THE CORRESPONDING RELATION BETWEEN THE MAC ADDRESS AND THE PORT IS SET UP
201 IF YES, THE MAC ADDRESS SET UP THE FIXED CORRESPONDING RELATION BETWEEN THE MAC ADDRESS AND THE PORT
202 FORWARDED THE PACKET DATA
203 WHETHER CHECK THE SOURCE ADDRESS COMPLY WITH THE CORRESPONDING MAC ADDRESS
204 IF YES, THE PACKET DATA
205 CHECK WHETHER OR NOT THE LINK BETWEEN THE TERMINAL DEVICE AND THE PORT IS DISCONNECTED
206 DELETE THE CORRESPONDING RELATION BETWEEN THE MAC ADDRESS AND THE PORT
1 END
2 END
3 YES
4 NO

(57) Abstract: This invention discloses a method of preventing from attacking the Ethernet, the method includes: after detecting the link which is set up newly between the port and the terminal at the communicating device of the Ethernet and receiving the data from the terminal, setting up and storing the fixed corresponding relation of the hardware address of the port and the terminal, and forwarding the data depending on the fixed corresponding relation; after disconnecting the link between the port and the terminal at the communicating device of the Ethernet, deleting the fixed corresponding relation stored. This invention can facilitate the maintain of the network and can reduce the cost of maintaining the network in the case of ensuring the security and the reliability of the network.

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